

FILE NOTATIONS

Entered in N I D File ✓

Entered On S R Sheet

Location Map Pinned ✓

Card Indexed ✓

I W R for State or Fee Land

Checked by Chief *PHB*

Copy N I D to Field Office ✓

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 10-31-64

Location Inspected

OW WW TA

Bond released

GW OS PA ✓

State of Fee Land

LOGS FILED

Driller's Log ✓

Electric Logs (No.) 2

E I E-I ✓ GR GR-N Micro

Lat. Mi-L Sonic ✓ Others

ZOLLER AND DANNEBERG

219 PATTERSON BUILDING
DENVER, COLORADO 80202

September 28, 1964

State of Utah
Oil & Gas Conservation Commission
348 East South Temple
Salt Lake City, Utah

Attention: Mr. Cleon B. Feight

RE: SOUTH ISMAY WELL NO. 1
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5-41S-26E
San Juan County, Utah

EAST ANETH AREA
State Line Well No. 1
SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 32-41S-26E
San Juan County, Utah

Gentlemen:

Enclosed please find one copy each of the Drilling
Intention and Certified Staking Plat on both of the above-
described locations.

Very truly yours,

ZOLLER AND DANNEBERG


K. I. Danneberg

KID:mob

encls. - 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

ZOLLER AND DANNEBERG

3. ADDRESS OF OPERATOR

212 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' north of the south line, 660' west of the east line

G. S. 1551

Desert Creek

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Five miles east of Aneth School

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. line, if any)

600'

16. NO. OF ACRES IN LEASE

2560

18. DISTANCE FROM PROPOSED*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6150

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4853 Ground

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8ths	32#	150 feet	150 sacks
11"	8-5/8ths	24#	1500 feet	200 sacks

7-7/8ths inch hole to total depth

All shows of oil and gas will be properly tested.

Hydraulic blow-out-preventers will be in operation.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

ZOLLER AND DANNEBERG

SIGNED

TITLE

Partner

DATE

Sept. 28, 1964

(This space for Federal or State office use)

PERMIT NO.

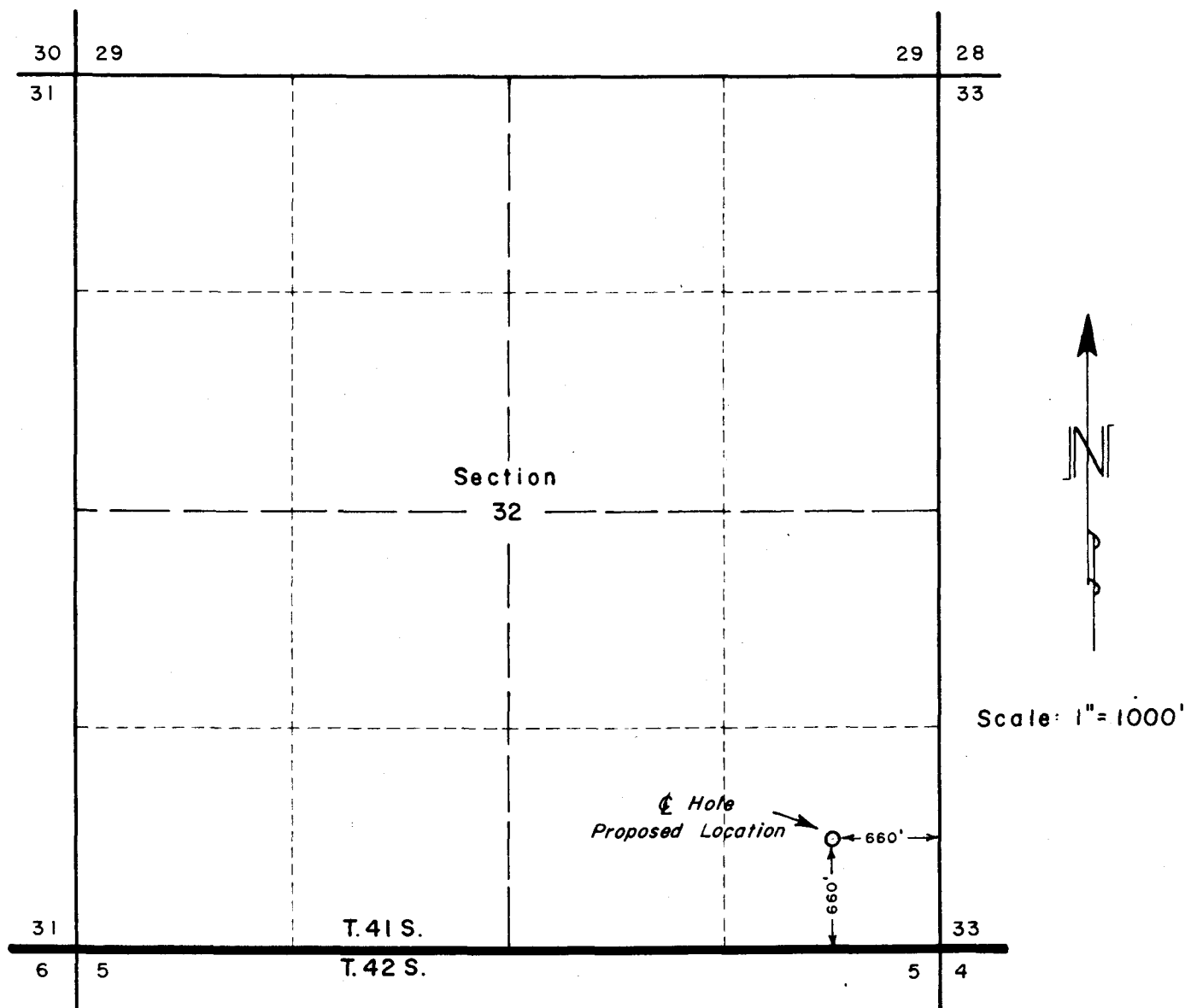
APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



WELL LOCATION: Zoller & Danneberg - # 1 State Line

Located 660 feet North of the South line and 660 feet West of the East line of Section 32,
 Township 41 South, Range 26 East, Salt Lake Base & Meridian.
 San Juan Co., Utah
 Existing ground elevation determined at 4853 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Utah # 2689

ZOLLER & DANNEBERG
 Denver, Colorado

WELL LOCATION
 Section 32 - T. 41 S. - R. 26 E.
 San Juan Co., Utah

CLARK - REED & ASSOC.
 Durango, Colorado

DATE Sept. 24, 1964
 FILE NO. 64066

September 29, 1964

Zoller and Danneberg
219 Patterson Building
Denver, Colorado

Re: Notice of Intention to Drill Well No.
State Line #1, 660' FSL & 660' FEL,
of Sec. 32, T. 41 S., R. 26 E.,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772 or DA 8-5773
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnp

cc: P. T. McGrath, District Engineer
U. S. Geological Survey - Farmington, New Mexico

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission, Moab, Utah

Form 9-881b
(April 1962)

	32		
			0

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R359.4.

Indian Agency Window Rock

Altogether

Lease No. AA-20-603-710

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Zoller & Danneberg
No. 1 State Line

October 31, 1964

Well No. 1 is located 660 ft. from S line and 660 ft. from E line of sec. 32

<u>32 32 Sec 32</u> (4 Sec. and Sec. No.)	<u>41 S</u> (Twp.)	<u>26 E</u> (Range)	<u>SLM</u> (Meridian)
<u>Wildest</u> (Field)	<u>San Juan</u> (County or Subdivision)	<u>Utah</u> (State or Territory)	

The elevation of the derrick floor above sea level is 4365 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The No. 1 State Line shall be plugged as follows:

The hole is to be filled with heavy mud and heavy mud is to be between all plugs.			
1. 5800' up to 5600'	200'	70 sms	Across Larry (7 7/8")
2. 4800' up to 4700'	100'	35 sms	Across Hartman (7 7/8")
3. 2850' up to 2750'	100'	35 sms	Across DeChelly (7 7/8")
4. 1000' up to 900'	100'	36 sms	Across Navajo (11")
5. 12' up to 0'	12'	10 sms	Top surf. Csg. w/marker

The location is to be cleaned up and restored to good condition.

Verbal approval granted by Mr. John Ward - USGS - Farmington, N. M. 8:00 A.M. Oct. 31.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Zoller & Danneberg

Address 219 Patterson Bldg.

Denver, Colorado

By

Paul R. Buchler
Paul R. Buchler

Title

Consulting Geologist

ZOLLER AND DANNEBERG

219 PATTERSON BUILDING
DENVER, COLORADO 80202

November 3, 1964

State of Utah
Oil & Gas Conservation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah

Attention: Mr. Cleon Feight

RE: ZOLLER & DANNEBERG - NO. 1 STATE LINE
Section 32, Twp. 41 South, Rge. 26 East
San Juan County, Utah

Gentlemen:

Enclosed please find Report of Water Encountered During Drilling on the above captioned well, prepared by Paul R. Buehler, geologist on the well.

Also enclosed for your information, is Notice of Intention to Abandon Well and Dry Hole Completion Report.

Very truly yours,

ZOLLER AND DANNEBERG

Nancy C. Buehler
Secretary,

mob

encls. -

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-710 No. 1 State	
1b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Line Navajo	
2. NAME OF OPERATOR Zoller & Danneb-rg		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 219 Patterson Bldg., Denver, Colorado		8. FARM OR LEASE NAME No. 1 State Line	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SE SE Sec. 32 (660' from E Line & 660' from S Line) At top prod. interval reported below At total depth		9. WELL NO. No. 1	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUNDED Oct. 9, 1964		16. DATE T.D. REACHED Oct. 31, 1964	
17. DATE COMPL. (Ready to prod.) Dry Oct. 31, 1964		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4565 K.B.	
19. ELEV. CASING HEAD		20. TOTAL DEPTH, MD & TVD 3948' Schlumber	
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS 91 to 3948'	
24. PRODUCING INTERVAL(S). OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* none		CABLE TOOLS none	
25. WAS DIRECTIONAL SURVEY MADE Yes - 7 strat. hole surveys		27. WAS WELL CORRED no	
26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger Induction E.S. & R-Sonic			
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 13 3/8"	WEIGHT, LB./FT. 48#	DEPTH SET (MD) 163' K.B.	HOLE SIZE 17 1/2"
CEMENTING RECORD 170 sx's		AMOUNT PULLED none	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
SCREEN (MD)			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)		PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	
WELL STATUS (Producing or shut-in)		DATE OF TEST	
HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.
GAS--MCF	WATER--BBL.	GAS--MCF	GAS--OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.
GAS--MCF	WATER--BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Paul R. Buehler		TITLE Consulting Geologist	
DATE Nov. 1, 1964			

*(See Instructions and Spaces for Additional Data on Reverse Side)

POOR COPY

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 25.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Lower Ismay	5734	5772	Limestone, fine to medium crystalline, buff to tan with fair vul. por. and show of oil DST #1 5752'-5790' depth; 5748'-5736' section opened tool to large formation 5 min. Had very strong flow. Took 30 min. initial shut in. Opened tool for 2 hours. As to surface in 9 minutes. Took 50 minute final shut in. Recovered 470' of oil & mud cutassy oil. 250' of muddy salt water. IH 2966 ISI 2176 IF104 FH 2951 FSI 1954 FF 266

38. GEOLOGIC MARKERS	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
	Shinarump	1493	
	Moenkopi	2603	
	DeChelly	2730	
	Organ Rock	2800	
	Hermosa	3000	
	Upper Ismay	4756	
	Lower Ismay	5640	
	Paradox Shale	5734	
	Desert Creek	5773	
	"U" Shale	5836	
	Total Depth	5932	
		5948	

POOR COPY

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Zoller & Danneberg No. 1 State Line
Operator Zoller & Danneberg Address 219 Patterson Bldg. Denver, Colorado Phone 222-1821
Contractor Arapahoe Drlg. Co. Address Denver, Colorado Phone _____
Location: SE 1/4 SE 1/4 Sec. 32 T.41S N R.26E E San Juan County, Utah.
S W

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1. 920'	to 960'	Very small flow	Fresh
2.	(Flow was very small and did not require intermediate casing)		
3.			
4.			
5.			

(Continued on reverse side if necessary)

Formation Tops:

Navajo	800'	Organ Rock	3000'
Wingate	1065'	Hermosal	4756'
Chinle	1493'	Upper Ismay	5640'
Shinarump	2608'	Lower Ismay	5734'
Moenkopi	2730'	Paradox Shale	5772'
DeChelly	2800'	Desert Creek	5836'
		"C" Shale	5932'
		Total Depth	5948'

Remarks:

NOTE: (a) Upon diminishing supply of forms, please inform the Commission
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure. (See back of form)

November 4, 1964

MEMO TO THE COMMISSIONERS:

Re: ZOLLER & DANNEBERG
#1 State Line
Sec. 32, T. 41 S., R. 26 E.
San Juan County, Utah

On October 31, 1964, I approved the following plugging program on the above well to Mr. Paul Buehler.

<u>Formation</u>	<u>Tops</u>	<u>Plugs</u>
Surface pipe	163'	
Navajo	800'	
Wingate	1065'	
Chinle	1493'	
Shinarump	2608'	
Moenkopi	2730'	2750-2850
DeChelley	2800'	
Organ Rock	3000'	
Hermosa	4756'	4700-4800
Upper Ismay	5640'	5600-5800
Lower Ismay	5734'	
Para. Shale	5772'	
Desert Creek	5836'	
"C" Shale	5932'	
T. D.	5948'	

Operator tested some oil in Ismay, but not commercial amount.

HARVEY L. COONTIS
PETROLEUM ENGINEER

HLC:pcp

November 6, 1964

Zoller & Danneberg
219 Patterson Building
Denver, Colorado

Attention: Mr. Paul R. Bushler, Consulting Geologist

Re: Well No. State Line #1
Sec. 32, T. 41 S., R. 26 E.,
San Juan County, Utah

Gentlemen:

Upon receiving your "Well Completion or Recompletion Report and Log" for the above mentioned well, it was noted that a directional survey was made.

It would be appreciated very much if this Commission could receive a copy of this survey. Thank you.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

kgv

A. H.

plus

PAUL R. BUEHLER
PETROLEUM GEOLOGIST
2775 CRABAPPLE RD.
GOLDEN, COLORADO
PHONE CR. 9-4323

November 20, 1964

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple
Salt Lake City, Utah

Attn: Kathy G. Warner, Records Clerk

Gentlemen:

In reply to your letter of November 6, 1964 concerning "Well Completion or Recompletion Report and Log" on Well No. State Line #1, Sec. 32; T41S; R26E, San Juan County, Utah, which you request a copy of the directional survey, wish to report that no directional survey was made. However, several deviation or so-called straight hole surveys were made by means of Totco Instrument.

Very truly yours,

Paul R. Buehler
Paul R. Buehler

Zoller E. Danneberg

PEA

STRAIGHT HOLE SURVEYS

Oct. 9	133'	3/4 degree
Oct. 11	950'	1 "
Oct. 11	1515'	1 3/4 "
Oct. 12	2378'	3/4 "
Oct. 13	3109'	1 "
Oct. 19	4651'	1/2 "
Oct. 25	5489'	1/4 "

November 22, 1965

Zoller & Danneberg
219 Patterson Building
Denver, Colorado

Attention Mr. Paul R. Buehler, Consulting Geologist

Re: Well No. State Line #1
Sec. 32, T. 41 So., R. 26 E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Abandonment and Plugging of the above mentioned well is due and has not been filed with this Commission as required by Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

Thank you for your attention to this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

kgw

STATE OF UTAH

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-710

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

State Line

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

32-41S-26E, SLM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Zoller and Danneberg

3. ADDRESS OF OPERATOR

219 Patterson Building, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface660' north of the south line, 660' west of the
east line (C/NE $\frac{1}{4}$ NE $\frac{1}{4}$)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4865 KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The No. 1 State Line was plugged in the following manner:

The hole was filled with heavy mud and heavy mud was used between all plugs.

1.	5800'	up to	5600'	200'	70 sxs	Across Ismay	(7-7/8")
2.	4800'	up to	4700'	100'	35 sxs	Across Hermosa	(7-7/8")
3.	2850'	up to	2750'	100'	35 sxs	Across CeChelly	(7-7/8")
4.	1000'	up to	900'	100'	56 sxs	Across Navajo	(11")
5.	12'	up to	0'	12'	10 sxs	Top surface casing with marker.	

The location has been cleaned up and restored to good condition.

Verbal approval granted by Mr. John Ward, U.S.G.S., Farmington, New Mexico - 8:00 a.m. October 31, 1964.

18. I hereby certify that the foregoing is true and correct

ZOLLER AND DANNEBERG

SIGNED

TITLE Secretary/Agent

DATE November 24, 1965

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE